Claims

1. Silage aid comprising at least one antioxidant selected from the group 2,6-di-*tert*-butyl-4-methylphenol (BHT), 3-*tert*-butyl-4-hydroxyanisole (BHA), *tert*-butylhydroquinone (TBHQ), tocopherol and gallates; at least one short chain carboxylic acid: and optionally at least one salt of said acid.

2. Silage aid according to claim 1, wherein the short chain carboxylic acid is formic acid, acetic acid and/or propionic acid.

3. Silage aid according to claim 1 or 2, wherein the short chain carboxylic acid is formic acid of concentration 60-100%, preferred 83-98%.

4. Silage aid according to claim 1 or 2 claims, wherein the short chain carboxylic acid is acetic acid or propionic acid of concentration 60-100%, preferred 80-100%.

5. Silage aid according to any of the proceeding claims, wherein 0.1-10% of the antioxidant, preferred 0.3-2%, is dissolved in the short chain carboxylic acid.

6. Silage aid according to any of the proceeding claims, comprising an antioxidant selected from the group BHA, TBHQ and propyl galate (PG); and formic acid.

7. Silage aid according to any of the proceeding claims, comprising BHA and BHT; and formic acid.

8. Process for preparation of a silage aid comprising at least one antioxidant selected from the group 2,6-di-*tert*-butyl-4-methylphenol (BHT), 3-*tert*-butyl-4-hydroxyanisole (BHA), *tert*-butylhydroquinone (TBHQ), tocopherol and gallates; a short chain carboxylic acid; and optionally at least one salt of said acid, by dissolving the antioxidants in the acid.

9. Process according to claim 8, by dissolving 0.1-10% of the antioxidant, preferred 0.3-2%, in a short chain carboxylic acid of concentration 60-100%.

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10. Process according to claim 8 or 9, by dissolving 0.1-10% of the antioxidant, preferred 0.3-2%, in formic acid, acetic acid and/or propionic acid of concentration 60-100%.

11. Process according to claim 8, 9 or 10, for preparation of a silage aid comprising 2,6-di-*tert*-butyl-4-methylphenol (BHT) and 3-*tert*-butyl-4-hydroxyanisole (BHA), and formic acid, by

a) dissolving BHA in the acid, and

b) subsequently, dissolving BHT in the solution obtained in step a).

12. Use of a silage aid comprising at least one antioxidant selected from the group 2,6-di-*tert*-butyl-4-methylphenol (BHT), 3-*tert*-butyl-4-hydroxyanisole (BHA), *tert*-butylhydroquinone (TBHQ), tocopherol and gallates; a short chain carboxylic acid; and optionally at least one salt of said acid, for protection of fish oil during a fish silage process.

13. Use of a silage aid comprising at least one antioxidant selected from the group 2,6-di-*tert*-butyl-4-methylphenol (BHT), 3-*tert*-butyl-4-hydroxyanisole (BHA), *tert*-butylhydroquinone (TBHQ), tocopherol and gallates; a short chain carboxylic acid; and optionally at least one salt of said acid, during preservation of organic by-products.

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